

CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET
SACRAMENTO, CA 95814-5512
www.energy.ca.gov



November 16, 2007

**TEST LABORATORY INFORMATION FOR
COMMERCIAL REFRIGERATORS, COMMERCIAL REFRIGERATOR-FREEZERS
AND COMMERCIAL FREEZERS**

To: Laboratories that Test Commercial Refrigerators, Commercial Refrigerator-Freezers, and Commercial Freezers
Manufacturers of Commercial Refrigerators, Commercial Refrigerator-Freezers, and Commercial Freezers

Re: Annual Test Laboratory Approval Process

Approval of Testing Laboratories

Section 1603(a) of the *Appliance Efficiency Regulations* require that commercial refrigerators, commercial refrigerator-freezers, and commercial freezers sold or offered for sale in California be tested at a laboratory that the Executive Director of the Commission determines:

- (1) has conducted tests using the applicable test method within the previous 12 months;
- (2) agrees to and does interpret and apply the applicable test methods in Section 1604 of the *Appliance Efficiency Regulations* precisely as written;
- (3) has, and keeps properly calibrated and maintained, all equipment, material, and facilities necessary to apply the applicable test method precisely as written;
- (4) agrees to and does maintain copies of all test reports, and provides any such report to the Executive Director on request, for all basic models that are still in commercial production; and
- (5) agrees to and does allow the Executive Director to witness any test of such an appliance on request, up to once per calendar year for each basic model.

Applying for Approval

If you would like the Executive Director to determine that your laboratory meets the criteria in Section 1603(a)(1)-(5), and to approve your laboratory for such testing through December 31, 2008, please complete the enclosed application.

The application may be filled out on-line or printed out and completed off-line. In either case, sign and scan the signed application and all appropriate documents and attach them to an e-mail addressed to: appliances@energy.state.ca.us. If you choose this form of submittal, please indicate 2008 Comm Refrig Lab App Company Name in the subject line, where Company Name is YOUR COMPANY NAME. Alternately, you may return the original signed application to the address shown below. We cannot accept FAXed applications because we must have an original signature. Be sure to include your signed application with all appropriate items attached and send to:

Appliance Efficiency Program
2008 Comm Refrig Lab App - Company Name
California Energy Commission
1516 Ninth Street, MS-25
Sacramento, CA 95814-5512

Submittal of Test Report

Section 1606(a)(3)(C) requires manufacturers of commercial refrigerators, commercial refrigerator-freezers and commercial freezers to submit test reports upon which the manufacturer relies in filing certification information.

Marking

Section 1607(b) requires that the manufacturer's name or brand name or trademark, model number, and date of manufacture, indicating (i) year and (ii) month or smaller (e.g. week) increment, be permanently and legibly displayed on the nameplate of each unit.

Submittal of Information (Certification) by Manufacturers

The submittal and approval of a laboratory application does NOT affect the manufacturers' listings of appliance models in the Commission's database. Manufacturers of models accurately listed in the database do not need to resubmit any information. However, if information about those models has changed or if you have manufactured new models that are not yet in the database, you must submit new certification data.

Manufacturers wishing to verify the status of currently listed models may review their listing at the following link:

www.energy.ca.gov/appliances/appliance/excel_based_files/refrigerators/.

If your model listing is not current, or you need additional certification forms and instructions, they can be found at:

<http://www.energy.ca.gov/appliances/forms/>.

A copy of the Energy Commission's *Appliance Efficiency Regulations* can be found at:

<http://www.energy.ca.gov/appliances/2007regulations/>.

The attached laboratory application may also be obtained at:

<http://www.energy.ca.gov/appliances/forms/>.

The Energy Commission is aware of statements in marketing literature stating or implying Commission approval of products or services. The Energy Commission does not endorse, favor, or recommend any particular product or service. Moreover, California law states that "It is unlawful for any person, firm, corporation, or association that is a nongovernmental entity to . . . solicit the purchase of or payment for a product or service . . . by means of a mailing, electronic message, or Internet Web site that contains a seal, insignia, trade or brand name, or any other term or symbol that reasonably could be interpreted or construed as implying any state or local government connection, approval, or endorsement," with exceptions not relevant here. (California Business & Professions Code section 17533.6.)

If you receive more than one copy of this letter, you are on multiple appliance mailing lists. It is not necessary to apply for the exact same test method more than once per calendar year. However, you must indicate all appliances that you wish to test with that test method at the time of your original application. If you have any questions you may contact appliance program staff at the address above or by email at:

appliances@energy.state.ca.us.

Sincerely,

ELAINE HUSSEY
Appliance Efficiency Program

Enclosure

PLEASE DO NOT INCLUDE A COPY OF THIS LETTER WITH YOUR APPLICATION

California Appliance Efficiency Program
2008 Test Laboratory Application for Commercial Refrigerators,
Commercial Refrigerator-Freezers and Commercial Freezers

Note: You must include a Completed Sample Test Report with this application.

NOTE: This is a PDF fillable form. You may complete it on line or print it out and complete it off line. After it has been signed, you may scan it and return as an email attachment, addressed to appliances@energy.state.ca.us, or return it via mail to:

Appliance Efficiency Program
2008 Comm Refrig Lab App - Company Name
California Energy Commission
1516 Ninth Street, MS-25
Sacramento, CA 95814-5512

PLEASE ALSO NOTE THAT:

- Applications that have been re-typed in your own format WILL NOT be accepted.
- It is not necessary, and may delay processing of your application, to submit both an email and a mailed application
- Please allow at least four weeks during the heavy renewal period (November-March) before contacting us regarding your application.

Contact Person: _____

Company Name: _____

Address: _____

City: _____

State: _____ Zip: _____ Country: _____

Phone Number: Area Code (_____) _____

Fax: Area Code (_____) _____

e-mail address: _____

WEB-site: _____

Appliance Type _____

Name of Laboratory _____ states:

Initial all appropriate
Paragraphs

_____ I hereby apply for approval of the laboratory stated above for testing commercial refrigerators, commercial refrigerator-freezers, and commercial freezers for compliance with the *California Appliance Efficiency Regulations*.

_____ During the period for which approval is granted, our laboratory agrees to comply with all of the provisions (listed below), Sections 1604(a), and 1605.3(a), of Title 20 of the California Code of Regulations:

_____ has conducted tests using the applicable test method specified immediately below* within the previous 12 months;

_____ANSI/ASHRAE 72-1998 _____ANSI/ASHRAE 117-1992

_____ANSI/ASTM F2143-01 _____ANSI/ASHRAE 32.1-2004

_____ARI 810-2003

_____ agrees to and does interpret and apply the applicable test method set forth in Section 1604 precisely as written;

_____ has, and keeps properly calibrated and maintained, all equipment, material, and facilities necessary to apply the applicable test method precisely as written;

_____ agrees to and does maintain copies of all test reports, and provides any such report to the Executive Director on request, for all basic models that are still in commercial production; and

_____ agrees to and does allow the Executive Director to witness any test of such an appliance on request, up to once per calendar year for each basic model.

_____ Test reports issued to clients shall include statements of compliance or non-compliance of the minimum performance provisions shown in Section 1605.3(a)(5)(6)(7), and the marking provisions in Section 1607(b).

_____ I have attached to this application an example of a completed sample test report for a commercial refrigerator, commercial refrigerator-freezer, or commercial freezer tested to the test method shown above* by this laboratory within 12 months prior to the date of this application, to demonstrate what and how information is provided.

* NOTE: This application may be used for applying to test to ANSI/ASHRAE 72-1998, ANSI/ASHRAE 117-1992, ANSI/ASTM F2143-01 and ANSI/ASHRAE 32.1-2004. **A separate test report must be submitted for each test method you are applying to be certified for. You may submit one to four (1, 2, 3, or 4) test reports with this application. Your application will only be considered for approval for those test method(s) for which you have submitted a test report.**

I declare under penalty of perjury of the laws of the State of California, that:

All the information in this statement is true, complete, accurate, and in compliance with all applicable provisions of Sections 1601 – 1608 of Title 20 of the California Code of Regulations; and

I am authorized to make this declaration, and to file this application, on behalf of

Name of Laboratory

Signature: _____ Date _____

Typed Name and Title: _____

SPACE BELOW THIS LINE FOR CALIFORNIA ENERGY COMMISSION USE ONLY

The laboratory identified above is hereby approved for testing commercial refrigerators, refrigerator-freezers, and freezers to the referenced test methods:

_____ ANSI/ASHRAE 72-1998 _____ ANSI/ASHRAE 117-1992

_____ ANSI/ASTM F2143-01 _____ ANSI/ASHRAE 32.1-2004

_____ ARI 810-2003

for compliance with the requirements of the *Appliance Efficiency Regulations* from the date shown until December 31, 2008

Date

BETTY CHRISMAN
Appliance Efficiency Program Manager
For the Executive Director

Check when completed:

Approved _____ listed _____ scanned _____

Notified/copy sent (date) _____

Denied/notified (date) _____

Test Methods

The Commercial Refrigerator, Refrigerator-Freezer, and Freezer Test Methods set forth in Section 1604 are as follows:

<i>Appliance</i>	<i>Test Method</i>										
Refrigerating bottled or canned beverage vending machines	ANSI/ASHRAE 32.1-2004 Volume of multi-package units shall be measured using ANSI/AHAM HRF1-1979										
Refrigerated buffet and preparation tables	ANSI/ASTM F2143-01										
Other commercial refrigerators, refrigerator-freezers, and freezers, with doors	<p>Volume measured using ANSI/AHAM HRF1-1979 Energy consumption measured using ANSI/ASHRAE 117-1992, except that with the controls adjusted to obtain the following product temperatures and with the back (loading) doors of pass-through and roll-through refrigerators and freezers shall remain closed throughout the test:</p> <table><tr><th>Type</th><th>Integrated Average Product Temperature (Section 9.1.1) in ° F</th></tr><tr><td>Refrigerator Compartment</td><td>38 ± 2</td></tr><tr><td>Freezer Compartment</td><td>0 ± 2</td></tr><tr><td>Wine chiller</td><td>45 ± 2</td></tr><tr><td>Ice Cream Cabinet</td><td>-5 ± 2</td></tr></table>	Type	Integrated Average Product Temperature (Section 9.1.1) in ° F	Refrigerator Compartment	38 ± 2	Freezer Compartment	0 ± 2	Wine chiller	45 ± 2	Ice Cream Cabinet	-5 ± 2
Type	Integrated Average Product Temperature (Section 9.1.1) in ° F										
Refrigerator Compartment	38 ± 2										
Freezer Compartment	0 ± 2										
Wine chiller	45 ± 2										
Ice Cream Cabinet	-5 ± 2										
Other commercial refrigerators, refrigerator-freezers, and freezers, without doors	<p>Volume measured using ANSI/AHAM HRF1-1979 Energy consumption measured using ANSI/ASHRAE 72-1998, with the controls adjusted to obtain the following product temperatures:</p> <table><tr><th>Type</th><th>Integrated Average Product Temperature (Section 9.1.1) in ° F</th></tr><tr><td>Refrigerator Compartment</td><td>38 ± 2</td></tr><tr><td>Freezer Compartment</td><td>0 ± 2</td></tr><tr><td>Wine chiller</td><td>45 ± 2</td></tr><tr><td>Ice Cream Cabinet</td><td>-5 ± 2</td></tr></table>	Type	Integrated Average Product Temperature (Section 9.1.1) in ° F	Refrigerator Compartment	38 ± 2	Freezer Compartment	0 ± 2	Wine chiller	45 ± 2	Ice Cream Cabinet	-5 ± 2
Type	Integrated Average Product Temperature (Section 9.1.1) in ° F										
Refrigerator Compartment	38 ± 2										
Freezer Compartment	0 ± 2										
Wine chiller	45 ± 2										
Ice Cream Cabinet	-5 ± 2										